

## Work Experience

### Kik Interactive, Inc. | Web Developer - Bots Team

May 2016 - August 2016 | Waterloo, ON

- Shipped 12,000+ lines of Python and AngularJS on Google AppEngine
- Updated and maintained our public Python and NodeJS bot APIs
- Engineered multiple features to improve functionality of the Kik Bots platform
  - Algorithm to determine the popularity of individual bots
  - Health check system to track bots' upkeep status
  - Permission system to manage employee access rights

### Kik Interactive, Inc. | Release & QA

September 2015 - December 2015 | Waterloo, ON

- Led testing efforts for multiple new features
- Designed and executed black box testing plans for unreleased features
- Collaborated with project leads and developers throughout testing
- Documented over 100 software defects using Github issue tracker

### Kenna | IT Systems Administrator

January 2015 - April 2015 | Toronto, ON

- Handled IT responsibilities of entire office with over 50 users and 80 devices
- Researched and implemented ideas to increase efficiency of IT department
- Authored/published process manuals and project notes to company wiki

## Recent Projects

### Bot Health Check System | Kik Interactive, Inc.

August 2016

Created and implemented a system to track the health status' of bots on Kik. When requested, a script would run to collect relevant info about a specific bot and uses hypothesis testing to compare it against the current platforms' expected values. A frontend dashboard was created to present this information, along with recent history, for the internal teams.

### Bot Popularity Algorithm | Kik Interactive, Inc.

May 2016

Designed, developed and implemented an algorithm to quantify the popularity of a bot by analyzing collected metrics. Bots on the Kik Bot Shop are then ranked in accordance to their popularity scores and the data is also given to the business teams to provide insight on our operations.

### App Store Analysis | Side Project

September 2015 - October 2015

Developed a program to scrape and process app store reviews for Kik across both iOS & Android stores. Reviews are clustered based on topic/version and processed through a trained sentiment analyzer using NLTK. A web based dashboard is then used to display trends in the data and general attitude towards updates.

## Education

### University of Waterloo

Double BMath | Expected 2018

Computational Math & Statistics  
*Minor in Computer Science*

## Links

Http:// alihussa.in

LinkedIn:// ahussain5

GitHub:// allawi

## Technical Skills

### Intermediate

- Python
  - Google AppEngine
  - Google Protobuf
  - Flask
- C/C++
- HTML/CSS
  - Bootstrap
- Racket/Lisp

### Novice

- R
- JavaScript
  - AngularJS
  - NodeJS
- Ruby
- MySQL

### Miscellaneous

- RESTful Protocols
- Data Structures & Algorithms
- Statistics & Probability
- Windows Server
- Linux Server

## Hobbies & Interests

- Baseball
- Fitness and Nutrition
- Programming
- IT and Networking
- Puzzles and Problem Solving
- Video Games